

## ABSTRACT

A thermoforming machine for manufacturing triple sheet thermoplastic  
5 articles is disclosed. The thermoforming machine comprises three controllable ovens for heating  
three sheets to a heat deformable temperature, three shape giving molds for separately  
thermoforming each sheet in succession, and forging-like means to compress the three  
thermoformed sheets into a unitary article. The three sheets are thermoformed and compressed  
together in a form station comprising upper and lower platens. Acting with the upper platen is a  
10 mold shuttle system for moving two of three molds into position relative the thermoforming and  
forging-like operations of the apparatus.